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United States
Department of
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Agricultural
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Service

Plant Variety Protection Office Official Journal

Volume 17, No. 4
October -- December
1989



PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

The Official Journal, published quarterly, is available from:

Plant Variety Protection Office
Commodities Scientific Support Division
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APPLICATIONS RECEIVED

OCTOBER 1, 1989 TO DECEMBER 31, 1989

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. APPL. (*)	NAME OF APPLICANT
BARLEY			
9000026	Selway	(3) 11/16/89	Plant Breeders 1 Inc.
BEAN, GARDEN			
9000056	Espada	12/26/89	Harris Moran Seed Company
9000057	Satin	12/27/89	Ferry-Morse Seed Company
BLUEGRASS, KENTUCKY			
9000009	Opal	(3) 10/11/89	W. Weibull AB
9000041	Alpine	12/05/89	Pickseed West Inc.
CAULIFLOWER			
9000020	Alberta RZ	10/30/89	Rijk Zwaan Zaadteelt en Zaadhandel B.V.

(*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1989 TO DECEMBER 31, 1989

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
CAULIFLOWER (Continued)			
9000021	Exponent	10/30/89	Rijk Zwaan Zaadteelt en Zaadhandel B.V.
9000022	Ostrea	10/30/89	Rijk Zwaan Zaadteelt en Zaadhandel B.V.
CELERY			
9000031	<85-16A-3>	11/20/89	Tanimura & Antle, Inc.
CORN, FIELD			
9000016	2FACC	10/30/89	Dekalb-Pfizer Genetics
9000047	LH195	12/13/89	Holden's Foundation Seeds, Inc.
9000048	LH204	12/13/89	Holden's Foundation Seeds, Inc.
9000049	LH205	12/13/89	Holden's Foundation Seeds, Inc.
9000050	LH210	12/13/89	Holden's Foundation Seeds, Inc.

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APPLICATIONS RECEIVED
OCTOBER 1, 1989 TO DECEMBER 31, 1989

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
CORN, FIELD (Continued)			
9000051	LH211	12/13/89	Holden's Foundation Seeds, Inc.
COTTON			
9000019	GP 74+	(3) 11/01/89	G. & P. Seed Co., Inc.
9000032	GSC 1093	11/21/89	Lubrizol dba Agrigenetics Corporation
DELPHINIUM			
9000001	Magic Fountains Dark Blue/Dark Bee	10/02/89	John Bodger & Sons Co.
9000002	Magic Fountains Lilac Pink	10/02/89	John Bodger & Sons Co.
9000003	Magic Fountains Sky Blue	10/02/89	John Bodger & Sons Co.
FENNEL			
9000044	<D'Arrigo>	11/30/89	D'Arrigo Bros. Co. of California

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APPLICATIONS RECEIVED
OCTOBER 1, 1989 TO DECEMBER 31, 1989

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
FESCUE, RED 9000052	Jasper	12/14/89	Pickseed West Inc.
FESCUE, SHEEP 9000053	<NX-86>	12/15/89	Jacklin Seed Company
FESCUE, TALL 9000004	Bonsai	10/02/89	KWS-AG
9000035	Crossfire	11/28/89	Pickseed West Inc.
9000037	Shenandoah	12/01/89	R. J. Peterson Enterprises, Inc.
9000054	Guardian	12/22/89	Pickseed West Inc.
LETTUCE 9000024	Pioneer	11/14/89	Bruce Church, Inc.
9000025	Summit	11/14/89	Bruce Church, Inc.

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APPLICATIONS RECEIVED
OCTOBER 1, 1989 TO DECEMBER 31, 1989

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
LETTUCE (Continued)			
9000029	<XP 5614>	11/16/89	Asgrow Seed Company
9000030	Etna	11/20/89	Vilmorin S.A.
9000055	Alpha DMR	12/22/89	Harris Moran Seed Company
9000062	Eline	12/18/89	TS Seeds BV
MUSKMELON			
9000034	Top Mark F.R.	11/28/89	Northrup King Co.
ORCHARDGRASS			
9000010	Benchmark	10/10/89	FFR Cooperative
PEA			
9000015	Athena	10/19/89	W. Brotherton Seed Co., Inc.

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APPLICATIONS RECEIVED
OCTOBER 1, 1989 TO DECEMBER 31, 1989

APPL. NO.	VARIETY	GEN. APPL. (*)	NAME OF APPLICANT
9000038	RYEGRASS, PERENNIAL <PE 8>	12/01/89	R. J. Peterson Enterprises, Inc.
9000005	SOYBEAN CX329	10/05/89	Dekalb-Pfizer Genetics
9000006	CX469c	10/05/89	Dekalb-Pfizer Genetics
9000007	A2543	10/12/89	Asgrow Seed Company
9000008	A5979	10/12/89	Asgrow Seed Company
9000013	Hobbit 87	(3) 10/16/89	Ohio Agricultural Research and Development Center and USDA-ARS
9000014	Sprite 87	(3) 10/16/89	Ohio Agricultural Research and Development Center and USDA-ARS
9000023	TK 89	10/30/89	King Grain Inc.

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APPLICATIONS RECEIVED
OCTOBER 1, 1989 TO DECEMBER 31, 1989

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
SOYBEAN (Continued)			
9000027	Sturdy	11/16/89	Minnesota Agricultural Experiment Station
9000028	Kato	11/16/89	Minnesota Agricultural Experiment Station
9000036	W20	11/22/89	E. I. du Pont de Nemours and Company
9000045	Hayes	(2) 12/07/89	OARDC, Ohio State University
9000046	Minnatto	(2) 12/11/89	Minnesota Agricultural Experiment Station
TOMATO			
9000042	90-4792	12/05/89	Northrup King Co.
9000043	90-4794	12/05/89	Northrup King Co.
WHEAT, COMMON			
9000012	<DA984-034>	(*) 10/16/89	Western Plant Breeders, Inc.

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< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1989 TO DECEMBER 31, 1989

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APPL. NO.	VARIETY	GEN. APPL. (*)	DATE	NAME OF APPLICANT
WHEAT, COMMON (Continued)				
9000017	ATW 270	(3)	11/03/89	Florida Agricultural Experiment Station
9000018	Florida 303	(3)	11/03/89	Florida Agricultural Experiment Station
9000033	Pinnacle	(3)	11/27/89	Pahl Farms
WHEAT, DURUM				
9000011	NuDura		10/16/89	Northrup King Co.

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< > Identifies temporary designations.

APPLICATIONS AMENDED
OCTOBER 1, 1989 TO DECEMBER 31, 1989

Information concerning the varieties below has been published previously in the Official Journal's list of "APPLICATIONS RECEIVED." During the examination process, the applicant requested this information amended as indicated below.

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
COTTON			
8800133	HAS 270	04/20/88	Terra International, Inc.
Name of owner changed from Hollandale Agricultural Services to Terra International, Inc.			
TOMATO			
8600142	887	07/28/86	LSL Biotechnologies, Inc.
Variety with temporary designation <#887> named '887'.			
Name of owner changed from Long Shelf Life, Inc. to LSL Biotechnologies, Inc.			
8600143	888	07/28/86	LSL Biotechnologies, Inc.
Variety with temporary designation <888> named '888'.			
Name of owner changed from Long Shelf Life, Inc. to LSL Biotechnologies, Inc.			

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< > Identifies temporary designations.

APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
OCTOBER 1, 1989 TO DECEMBER 31, 1989

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Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

<u>KIND</u>	<u>APPL. NO.</u>	<u>VARIETY</u>
WHEAT, COMMON	8700068	7101

< > Identifies temporary designations.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1989 TO DECEMBER 31, 1989

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN				
8600096	Eureka	12/29/89	Asgrow Seed Company	
	'Eureka' is most similar to 'Goldrush'; however, 'Eureka' has a greater percentage (57 vs 31%) of small pods. (sieve size 3 or smaller) than 'Goldrush'.			
8600097	Bl69	11/30/89	Asgrow Seed Company	
	'Bl69' is most similar to 'Slenderette' but differs in both pod size distribution and pod color. 'Bl69' has fewer large pods (1.5 vs 17% sieve size 5 and larger) than 'Slenderette'; also, 'Bl69' has lighter green pods (145B, Royal Horticultural Society [RHS] Colour Chart) than 'Slenderette' (144A, RHS Colour Chart).			
8600098	Sentry	12/29/89	Asgrow Seed Company	
	'Sentry' is most similar to 'Slenderette'; however, 'Sentry' has lighter green pods (145B vs 144A, RHS Colour Chart) and a smaller percentage of large pods (1 vs 14% sieve size 5 and larger) at maturity than 'Slenderette'. 'Sentry' also differs from 'Bl69'. 'Sentry' is resistant to mosaic mottle, whereas 'Bl69' is susceptible.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1989 TO DECEMBER 31, 1989

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
COWPEA				
8900113	Mississippi Pinkeye	(3)	11/30/89	Mississippi Agricultural and Forestry Experiment Station
	'Mississippi Pinkeye' is most similar to 'Bunch Purple Hull'; however, 'Mississippi Pinkeye' is resistant to races 2 and 3 of <u>Fusarium oxysporum</u> f. sp. <u>tracheiphilum</u> whereas 'Bunch Purple Hull' is susceptible to these races.			
FESCUE, TALL				
8700162	Martin		11/30/89	University of Missouri
	'Martin' is most similar to 'Triumph', 'Mozark', and 'Penngrazer'; however, 'Martin' has an average first internode length 1.6 cm longer than 'Mozark' and 2.5 cm shorter than 'Penngrazer'. 'Martin' has an average panicle length 2.5 cm longer than 'Triumph'.			
8700163	Mozark		11/30/89	University of Missouri
	'Mozark' is most similar to 'Kentucky-31'; however, 'Mozark' has an average first internode length 1.4 cm shorter than 'Kentucky-31' and an average weight/1000 seed 530 mg heavier than 'Kentucky-31'.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1989 TO DECEMBER 31, 1989

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
FESCUE, TALL (Continued)				
8700177	Trident		12/29/89	International Seeds Inc.
'Trident' most closely resembles 'Bonanza'; however, 'Trident' has an average panicle length 2.0 cm shorter than 'Bonanza' and an average weight/1000 seed 260 mg less than 'Bonanza'.				
8700199	Pacer		12/29/89	International Seeds Inc.
'Pacer' most closely resembles 'Rebel II'; however, 'Pacer' has an average mature plant height 4.0 cm shorter than 'Rebel II', and an average first internode length 1.7 cm shorter than 'Rebel II'.				
8800155	Titan		12/29/89	Seed Research of Oregon, Inc.
'Titan' is most similar to 'Rebel'; however, 'Titan' is an average of 4.7 cm taller than 'Rebel' at ear emergence.				

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1989 TO DECEMBER 31, 1989

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
RYEGRASS, PERENNIAL				
8800113	Pebble Beach	11/30/89	Pure-Seed Testing, Inc.	
	'Pebble Beach' is most similar to 'Manhattan II' and 'Citation II'; however, 'Pebble Beach' matures 2-3 days later than 'Manhattan II' and 4-8 days later than 'Citation II'. 'Pebble Beach' also has an average mature plant height 3 cm shorter than 'Manhattan II' and 'Citation II'.			
8800114	Saturn	11/30/89	Pure-Seed Testing, Inc.	
	'Saturn' most closely resembles 'Citation II', 'Manhattan II', and 'Prelude'; however, 'Saturn' has a 50% heading date 4-7 days later than 'Citation II' and 2-3 days later than 'Manhattan II'. 'Saturn' is resistant to stem rust whereas 'Prelude' is susceptible.			
SOYBEAN				
8900271	Camp	(2) 11/30/89	Virginia Polytechnic Institute and State University	
	'Camp' is most similar to 'Vance'; however, seeds of 'Camp' average 1 gram per 100 less than seeds of 'Vance'.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1989 TO DECEMBER 31, 1989

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
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TOMATO

8700026 Diabolo
'Diabolo' most closely resembles 'Niagara 3032'; however, 'Diabolo' has a jointed pedicel and 'Niagara 3032' is jointless.

8700123 DNAP-17

'DNAP-17' is most similar to 'UC 82B'; however 'DNAP-17' is resistant to race 2 of Fusarium oxysporum f. lycopersici, whereas 'UC 82B' is susceptible.

WHEAT, COMMON

8700160 Coker 9766

'Coker 9766' is most similar to 'Coker 762' and 'Saluda'; however, 'Coker 9766' is resistant to biotype E of Hessian fly whereas 'Coker 762' is susceptible. 'Coker 9766' averages 5000 more seeds per pound than 'Saluda' and has an average test weight that is 4.1 lb/bu lower than 'Saluda'.

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1989 TO DECEMBER 31, 1989

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
WHEAT, COMMON (Continued)				
8900015	7805	(3)	12/29/89	HybriTech Seed International, Inc.
	'7805' is most similar to '817'; however, '7805' has elevated glume shoulders and is susceptible to the Great Plains biotype of Hessian fly, whereas glume shoulders are wanting in '817' and it is resistant to the Great Plains biotype of Hessian fly.			
8900016	7833	(3)	12/29/89	HybriTech Seed International, Inc.
	'7833' is most similar to 'Newton' except '7833' has oblique glume shoulders and is resistant to stem rust race 'TNMK' whereas 'Newton' has square glume shoulders and is susceptible to race 'TNMK'.			
8900017	7837	(3)	12/29/89	HybriTech Seed International, Inc.
	'7837' is most similar to 'Vona'; however, '7837' is resistant to stem rust race 'TNMK' and to soilborne mosaic, whereas 'Vona' is susceptible. '7837' is susceptible to the Great Plains biotype of Hessian fly, whereas 'Vona' has some tolerance.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1989 TO DECEMBER 31, 1989

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
WHEAT, COMMON (Continued)		(3) 12/29/89 HybriTech Seed International, Inc.		
8900018	7846	'7846' is most similar to 'Vona'; however, '7846' is resistant to soilborne mosaic, whereas 'Vona' is susceptible. '7846' is susceptible to powdery mildew, whereas 'Vona' is tolerant. '7846' has a shorter (2.1-3.4 vs 3.4-5.2 min) mixing time than 'Vona'.		

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CERTIFICATES AMENDED

OCTOBER 1, 1989 TO DECEMBER 31, 1989

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN				
8600096	Eureka		12/29/89	Asgrow Seed Company
Variety with temporary designation <XP-B167> named 'Eureka'.				
COTTON				
7100051	Blanco 3363	(3)	09/30/74	The Lubrizol Corporation
7400088	Stripper 31A	(3)	11/24/75	The Lubrizol Corporation
7400089	GSA 71	(3)	11/24/75	The Lubrizol Corporation

Name of owner of the above changed from Agrigenetics Corporation (a Delaware corporation) to the Lubrizol Corporation.

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< > Identifies temporary designations.

CERTIFICATES AMENDED
OCTOBER 1, 1989 TO DECEMBER 31, 1989

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
COTTON (Continued)				
7605007	GSA 75	(3)	03/18/77	The Lubrizol Corporation
7900071	GSA 74	(3)	04/24/80	The Lubrizol Corporation
7900072	GSA 78	(3)	06/19/80	The Lubrizol Corporation
8400057	GSC 25		12/21/84	The Lubrizol Corporation
8400101	GSC 20		11/30/84	The Lubrizol Corporation
8700005	GSC 27		08/31/87	The Lubrizol Corporation
8700006	GSC 71+		08/31/87	The Lubrizol Corporation

Name of owner of the above changed from Agrigenetics Corporation (a Delaware corporation) to the Lubrizol Corporation.

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< > Identifies temporary designations.

GENERAL INFORMATION

HELPFUL HINT ON FILING YOUR APPLICATION

Your application will be officially filed sooner and more efficiently if you mail all the required items to the Plant Variety Protection Office together or, if separately packaged, at the same time. In addition to the completed, signed application, you should be sure to enclose all Exhibits and two items that often delay filing: (1) the seed sample, and (2) the check for fees in the correct amount.

CORRECTION

Correction to Previous Official Journal
Volume 13, No. 1, for January - March 1985,
Page 14:

In the "Certificates Issued and Novelty Based on Applicant's Claim" section, Certificate No. 8400042, Field Corn, issued 03/29/85 to the J. C. Robinson Seed Company should read as follows:

'CRLHt' most closely resembles 'Mol7Ht'; however, 'CRLHt' matures 9 days earlier than 'Mol7Ht' (79 vs. 88 days to 50 percent silk).

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
PLANT VARIETY PROTECTION OFFICE
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